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(54) FLUORESCENT PARTICLE, ITS PRODUCTION AND PLASMA DISPLAY PANEL

(57)Abstract:

PROBLEM TO BE SOLVED: To obtain fluorescent particles for plasma display panel that can suppress the deterioration of brightness and change of chromaticity with time and shows improved luminous efficiency by coating a fluorescent particle with a metal oxide on its surface.

SOLUTION: Fluorescent particles are coated with one or two or more kinds of metal oxides selected from MgO, CaO, SrO, BaO and Al<sub>2</sub>O<sub>3</sub> densely on their surfaces. The amount of the metal oxides is preferably in an amount of 0.01-5.0wt.% based on the fluorescent particles. The fluorescent particles for plasma display is prepared by applying metal alkoxides such as alkaline earth metal diethoxide to the surfaces of the fluorescent particles and firing the coated particles.

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